

APR/FY06

FORT A.P. HILL
Virginia

**Army Defense Environmental
Restoration Program
Installation Action Plan**

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Statement of Purpose

The purpose of the Installation Action Plan (IAP) is to outline the total multi-year Cleanup Program for an installation. The plan identifies environmental cleanup requirements at each site or area of concern, and proposes a comprehensive, installation-wide approach, with associated costs and schedules, to conduct investigations and necessary remedial actions.

In an effort to coordinate planning information between the restoration manager, US Army Environmental Center (USAEC), Fort A.P. Hill, executing agencies, and regulatory agencies an IAP was completed. The IAP is used to track requirements, schedules and tentative budgets for all Army installation cleanup programs.

All site-specific funding and schedule information has been prepared according to projected overall Army funding levels and is, therefore, subject to change.

The following agencies contributed to the formulation and completion of this Installation Action Plan during a planning workshop held on 27 April 2006:

Engineering and Environment, Inc. for USAEC
Fort A.P. Hill
North Environmental Regional Office
URS Corporation
US Environmental Protection Agency, Region III
US Army Environmental Center

Acronyms & Abbreviations

AEDB-R	Army Environmental Database - Restoration
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act of 1980
CTC	Cost-to-Complete
DD	Decision Document
DoD	Department of Defense
EOD	Explosive Ordnance Division
USEPA	(United States) Environmental Protection Agency
ER,A	Environmental Restoration, Army
FS	Feasibility Study
FUDS	Formerly Used Defense Sites
FY	Fiscal Year
IAP	Installation Action Plan
IRA	Interim Remedial Action
IRP	Installation Restoration Program
K	\$1000
LTM	Long-Term Management
MC	Munitions Constituent
mm	millimeter
MMRP	Military Munitions Response Program
NFA	No Further Action
NPL	National Priorities List
PA	Preliminary Assessment
POL	Petroleum, Oil & Lubricants
PY	Prior Year
RA	Remedial Action
RA(C)	Remedial Action (Construction)
RAB	Restoration Advisory Board
RC	Response Complete
RCRA	Resource Conservation and Recovery Act
REM	Removal
RI	Remedial Investigation
ROD	Record of Decision
SI	Site Inspection
USACE	US Army Corps of Engineers
USAEC	US Army Environmental Center
USEPA	US Environmental Protection Agency
UST	Underground Storage Tank

Installation Information

Installation Locale: Fort A.P. Hill, a U.S. Army training facility, is located in Caroline County, Virginia, approximately two miles north of the town of Bowling Green. The Installation encompasses approximately 76,000 acres and is bisected by U.S. Route 301, which connects Bowling Green and Port Royal, Virginia. The Installation is located approximately 75 miles south of Washington, D.C., and 40 miles north of Richmond, Virginia.

Installation Mission: Fort A.P. Hill provides realistic joint and combined arms training, logistics and support, enabling America's Defense Forces to win in 21st Century battle space.

Lead Organization:

Installation Management Agency, Northeast Region

Lead Executing Agencies:

US Army Corps of Engineers (USACE), Norfolk for FUDS nominated sites.
USAEC for the Restoration sites.

Regulatory Participation

Federal: US Environmental Protection Agency (USEPA) Region III, Waste and Chemical Management Division

State: Virginia Department of Environmental Quality

National Priorities List (NPL) Status: Not on NPL.

Installation Restoration Advisory Board (RAB)/Technical Review Committee (TRC)/Technical Assistance for Public Participation (TAPP) Status: None

Installation Program Summaries

IRP

Fort A.P. Hill at one time had 19 open ER,A sites. The last site was officially listed as response complete in December 1996.

MMRP

Primary Contaminants of Concern: Metals

Affected Media of Concern: Soil

Estimated Date for RIP/RC: 201709

Funding to date (up to FY05): \$ 100K

Current year funding (FY06): \$ 0

Cost-to-Complete (2007+): \$ 1,890K

Cleanup Program Summary

Installation Historic Activity

The Installation was established in June 1941 to provide a training area for infantry and artillery troops during World War II. Fort A.P. Hill is the one of the largest military installations on the East Coast, providing training grounds for, and testing of, a large variety of military forces. The portion of the Installation south of U.S. Route 301 is used for live-fire munitions training and access is strictly controlled. The northern portion of the Installation is used for non live-fire troop and vehicle training in a variety of wartime maneuver simulations. The Installation is divided into Training Areas and Range Areas, within which specific training or live-fire activities occur. The public also utilizes selected training areas for recreational purposes. Recreational user access is controlled and tracked on a daily basis.

The training capacity of Fort A.P. Hill is considered critical to the ongoing mission of the U.S. military. The Installation's current mission is to provide an all-purpose, year-round joint training facility. Given the value of Fort A.P. Hill, it is unlikely to be closed in the foreseeable future. This information is critical in considering future plans regarding remediation (where applicable) at various sites. By virtue of ownership by the U.S. Government, potential exposure routes at individual SWMUs/AOCs are currently well controlled and will likely remain controlled.

IRP

All sites are response complete.

MMRP

Three of the four MMRP sites at Fort A.P. Hill were evaluated for the FUDS program and were found to be FUDS eligible (Training Range Areas 10, 16 & 30). DoD has approved the transfer of these three sites from the ER,A program to the FUDS program. The fourth site, Training Range Area 20 and 21, was not evaluated for FUDS because, while it is in the transferred category, it was used by the Army until 1996, making it ineligible for FUDS (to be FUDS eligible, property must not have been used after 1986). This site will remain in the ER,A program for A.P. Hill for now.

IRP No Further Action Sites Summary

AEDB-R #	Site Title	Documentation/Reason for NFA	NFA Date
FTAPH-1	BLDG 1233 DDT SPILL	All Required Cleanup(s) Completed	198312
FTAPH-1A	OLD ENTOMOLOGY BUILDING	Study Completed, No Cleanup Required	199612
FTAPH-2A	DIRECT SUPPORT MAINTENANCE SHOP	Not Eligible For ER,A/BRAC Funding	199309
FTAPH-3A	HEADQUARTERS DDT AREA	All Required Cleanup(s) Completed	198801
FTAPH-4	HERBICIDE STOR SHED #225 DIOXIN CLEANUP	All Required Cleanup(s) Completed	198912
FTAPH-4A	DIRTBRIDGE WAREHOUSE	All Required Cleanup(s) Completed	198502
FTAPH-5	TAYLORS CORNER LANDFILL #2	Study Completed, No Cleanup Required	199109
FTAPH-6	WOOD SCRAP YARD	Study Completed, No Cleanup Required	199109
FTAPH-7	AMMUNITION SUPPLY PT. LANDFILL	Not Eligible For ER,A/BRAC Funding	199109
FTAPH-8	ACORS LANDFILL	Not Eligible For ER,A/BRAC Funding	198803
FTAPH-10	SALES CORNER LANDFILL	Study Completed, No Cleanup Required	199109
FTAPH-11	TAYLORS CORNER LANDFILL #1	Not Eligible For ER,A/BRAC Funding	199109
FTAPH-12	PENDER CAMP LANDFILL	Not Eligible For ER,A/BRAC Funding	198903
FTAPH-13	DRAP ZONE LANDFILL	Not Eligible For ER,A/BRAC Funding	198803
FTAPH-14	WILCOX DRIVE LANDFILL	Not Eligible For ER,A/BRAC Funding	199207
FTAPH-15	IMPACT AREA AND RANGES	Not Eligible For ER,A/BRAC Funding	199009
FTAPH-100	HEADQUARTERS/ANDERSON STORAGE TANKS	Not Eligible For ER,A/BRAC Funding	199108
FTAPH-101	UST POL BLDG # 303	Not Eligible For ER,A/BRAC Funding	199104
FTAPH-102	CAMP SITE STORAGE TANKS	Not Eligible For ER,A/BRAC Funding	199104

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Military Munitions Response Program

Total AEDB-R MMRP Sites/AEDB-R sites with Response Complete: 4/3

AEDB-R Site Types

3 Unexploded Munitions/Ordnance
1 Firing Range

Most Widespread Contaminants of Concern: MC

Media of Concern: Soil

Completed REM/IRA/RA:

None

Total MMRP Funding

Prior years (up to FY05):	\$ 100K
Current Year (FY06):	\$0K
<u>Future Requirements (FY07+):</u>	<u>\$1,890K</u>
Total:	\$1,990K

Duration of MMRP

Year of MMRP Inception: 2002
Year of MMRP RIP/RC: 2017
Year of MMRP Completion Including LTM: 2047

MMRP Contamination Assessment

MMRP Contamination Assessment Overview

The Phase 3 Army Range Inventory was completed at Fort A.P. Hill in August 2002. The inventory identified four sites as eligible for the MMRP. The Phase 3 inventory serves as the preliminary assessment (PA) under CERCLA. These four sites were transferred to Federal, state or local government several years ago and do not require extensive site characterization and investigations.

MMRP Cleanup Exit Strategy

Based on the history and past use of these sites, a site investigation (SI) will be conducted at three of these sites (FTAPH-001-R-01, FTAPH-002-R-01 and FTAPH-004-R-01) under the FUDS program, pending DoD approval. The remaining site, FTAPH-003-R-01, will stay in the ER,A program until the land transfer issue is resolved. A remedial investigation/feasibility study is scheduled to begin at this site in FY12.

2002

- Closed, Transferring and Transferred Range/Site Inventory Phase 3 Report (USACE, Norfolk) August, 2002

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Military Munitions Response Program Site Descriptions

FTAPH-003-R-01

TRAINING RANGE AREA 20 AND 21

SITE DESCRIPTION

Based on discussions with Fort A.P. Hill personnel, Training Range Areas 20 and 21 encompassed approximately 150 acres located in the center of Fort A.P. Hill. The area was used for light ground maneuver training from its acquisition in 1941 until 1996 when it was transferred to Caroline County which constructed a jail known as the Peumansend Regional Jail. The munitions that were used in this area included 7.62 mm blanks, 5.56 mm blanks, grenade and artillery simulators, and pop flares; however, during excavation of the building site in 1996, a 500-pound aerial bomb was uncovered. The 737th EOD was notified and the bomb was blown in place. A sweep of the area uncovered no further munitions. An Environmental Assessment was prepared with the results showing that no adverse environmental impact would result from the construction of the jail facility.

STATUS

REGULATORY DRIVER: CERCLA

RAC SCORE: 4 - LOW RISK

CONTAMINANTS OF CONCERN:
MC

MEDIA OF CONCERN: Soil

Phases	Start	End
PA	200202	200305
SI.....	200610	200709
RI/FS	201110	201209
RA(C)	201610	201709
LTM	201710	204709

RC DATE: 201709

CLEANUP STRATEGY

The land was transferred in 1996. A remedial investigation/feasibility study is scheduled to begin in FY12.

MMRP No Further Action Sites Summary

AEDB-R #	Site Title	Documentation/Reason for NFA	NFA Date
FTAPH-001-R-01	TRAINING RANGE AREA 10	Site has been made Response Complete as it has been determined to be a duplicate of an existing FUDS site.	200606
FTAPH-002-R-01	TRAINING RANGE AREA 16	Site has been made Response Complete as it has been determined to be a duplicate of an existing FUDS site.	200606
FTAPH-004-R-01	TRAINING RANGE AREA 30	Site has been made Response Complete as it has been determined to be a duplicate of an existing FUDS site.	200606

MMRP Schedule

Initiation of MMRP: 2002

Past Phase Completion Milestones

- Closed, Transferring and Transferred Range/Site Inventory Phase 3 Report (USACE, Norfolk) August, 2002

Projected ROD/DD Approval Dates: N/A

Projected Construction Completion: 2017

Schedule for Five Year Reviews: Unknown

Estimated Completion Date of MMRP including LTM: 2047

FORT A.P. HILL MMRP SCHEDULE
 (Based on current funding constraints)

AEDB-R#	PHASE	FY07	FY08	FY09	FY10	FY11	FY12	FY13	FY14	FY15+
FTAPH-003-R-01	SI									
	RI/FS									
	RA(C)									201709
	LTM									204709

MMRP Costs

Prior Years Funds

Total Funding up to FY04: \$100K

Year	Site Information	Expenditures	FY Total
FY05		\$0	\$0

Total Prior Year Funds: \$100K

Current Year Requirements

Year	Site Information	Requirements	FY Total
FY06		\$0	\$0

Total Future Requirements: 1,890K

Total IR Program Cost (from inception to completion of the IRP): \$1,990K

Community Involvement

There is no community interest in the MMRP at Fort A.P. Hill at this time. Related efforts to involve the community in remediation actions resulted in no community interest. Public hearings resulted in no participation from the community. Fort A.P. Hill will continue to involve the community in future actions and monitor any changes in community interest.